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66 Entgegenhaltungen:

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US	45 38 171

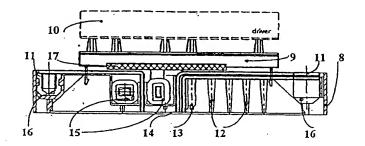
Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen

Prüfungsantrag gem. § 44 PatG ist gestellt

(4) Umrichter in Druckkontaktierung

Es wird ein Umrichter beschrieben, der in Druckkontaktierung ausgeführt ist und der durch die Gestaltung einer Druckplatte (9) einen konstanten Druck auf alle Innenaufbauten nach deren Montage ausübt, wodurch ein guter Wärmeabfluß auf eine Kühleinrichtung bei allen Temperaturbelastungen erreicht wird.

Der konstante Druck wird erfindungsgemäß dadurch erreicht, daß das Gehäuse (8) mit seinen Druckelementen (12) durch eine erfinderische Druckplatte (9) mit einem zwischengelegten partiellen Druckspeicher (17) überdeckt



PATENT ABSTRACTS OF JAPAN

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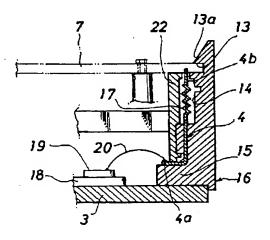
(54) COMPOSITE SEMICONDUCTOR DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To connect a control terminal with a control circuit substrate, without making any soldering operation at all.

SOLUTION: A control terminal stand 16 is formed in the part of a side wall of an insulation resin case 2, and an insert mold is performed, so as to expose an upper end part 4b and a lower end part 4a to this control terminal stand 116, and a control circuit substrate 7 is engaged with a pedestal 13 provided at a top end part of the control terminal stand 16 by spring action, whereby the conductor part of the control circuit substrate 7 is brought into pressure contact with the upper end part of the control terminal 4.

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(71) Applicant:

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(22) Date of filing: 31.01.00

(72) Inventor:

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(30) Priority:

01.02.99 DE 99 19903875

EBERHARD HARALD

(54) CONVERTER IN PRESSURE CONTACTING

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a converter equipped with a circuit device simply realizable for a power semiconductor element having very high packaging density and having high reliability in pressure contacting by a pressure plate reliably ensuring a long service life.

SOLUTION: In this converter having a driver 10 and at least one casing 8, the casing 8 is equipped with a pressure plate 9 rested thereon or integrated therein for generating a pressure invariable over a useful life-span under changing thermal conditions, in pressure elements 12 transmitting the pressure in order to bring an electrically insulated base plate 14 equipped with a power semiconductor circuit device into thermally conductive contact with a cooling body, and in connection connectors 11 in order to establish an electrically conductive connection between a contact surface of the base plate 14 and the connection connectors 11. The pressure plate 9 is made of a composite material

comprising metal coated with a synthetic substance.

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